



2175#10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chris Halim  
Serial No. : 09/977,780  
Filed : October 15, 2001  
Title : REMOTE DATA ACCESS AND SYNCHRONIZATION

Art Unit : 2175  
Examiner : C. Rones

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Technology Center 2100

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed. Applicants do not concede that the listed references are prior art. The enclosed references have come to applicant's attention in connection with litigations involving other patents owned by the assignee, Pumatech, Inc.

The full text of each of references AOOOOOO, ANNNNNNN, and APPPPPPP can be found in the files of copending applications: U.S. Serial No. 10/339,007; U.S. Serial No. 10/122,704; U.S. Serial No. 09/776,452; U.S. Serial No. 09/205,020; U.S. Serial No. 90/006,569; and U.S. Serial No. 90/006,583. The sheer volume of these references is so great that it was believed reasonable to supply only the table of contents herewith. Alternatively, the examiner may contact the undersigned for a full copy.

This statement is being filed within three months of the filing date of an RCE.

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Applicant : Chris Halim  
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Filed : October 15, 2001  
Page : 2 of 2

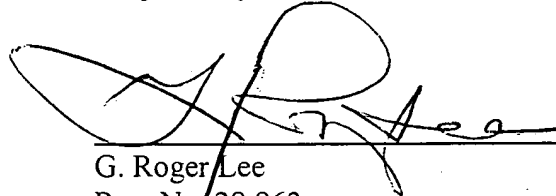
Attorney's Docket No.: 05110-014002

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Respectfully submitted,

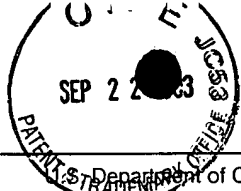
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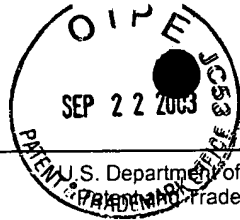
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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05110-014002	Application No. 09/977,780
	Applicant Chris Halim		
	Filing Date October 15, 2001	Group Art Unit 2175	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,330,568	12/11/01	Boothby et al.			
	AB	6,272,074	08/07/01	Winner			
	AC	6,125,369	09/26/00	Wu et al.			
	AD	6,098,078	01/08/00	Gehani et al.			
	AE	6,081,806	06/27/00	Chang et al.			
	AF	5,999,947	12/07/99	Zollinger et al.			
	AG	5,995,980	11/30/99	Olson et al.			
	AH	5,974,238	10/26/99	Chase, Jr.			
	AI	5,966,714	10/12/99	Huang et al.			
	AJ	5,956,508	09/21/99	Johnson et al.			
	AK	5,926,816	07/20/99	Bauer et al.			
	AL	5,924,094	07/13/99	Sutter			
	AM	5,892,909	04/06/99	Grasso et al.			
	AN	5,897,640	04/27/99	Veghte et al.			
	AO	5,884,325	03/16/99	Bauer et al.			
	AP	5,877,760	03/02/99	Onda et al.			
	AQ	5,878,415	03/02/99	Olds			
	AR	5,875,242	02/23/99	Glaser et al.			
	AS	5,870,759	02/09/99	Bauer et al.			
	AT	5,857,201	01/05/99	Wright, Jr. et al.			
	AU	5,845,293	12/01/1998	Veghte et al.			
	AV	5,838,923	11/17/98	Lee et al.			
	AW	5,832,489	11/03/98	Kucala			
	AX	5,819,274	10/06/98	Jackson Jr.			
	AY	5,819,272	10/06/98	Benson			
	AZ	5,813,013	09/22/98	Shakib et al.			
	AAA	5,813,009	09/22/98	Johnson et al.			

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

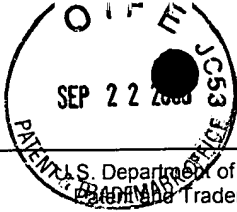


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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	5,809,494	09/15/98	Nguyen			
	ACC	5,790,789	08/04/98	Suarez			
	ADD	5,781,908	07/14/98	Williams et al.			
	AEE	5,778,388	07/07/98	Kawamura et al.			
	AFF	5,758,083	05/26/98	Singh et al.			
	AGG	5,738,337	05/26/98	Hammond			
	AHH	5,737,539	04/07/98	Edelson et al.			
	AII	5,708,812	01/13/98	Van Dyke et al.			
	AJJ	5,706,509	01/06/98	Man Hak Tso			
	AKK	5,704,029	12/30/97	Wright Jr.			
	ALL	5,689,706	11/18/97	Rao et al.			
	AMM	5,682,524	10/28/97	Freund et al.			
	ANN	5,671,407	09/23/97	Demers et al.			
	AOO	5,659,741	08/19/97	Eberhardt			
	APP	5,649,182	07/15/97	Reitz			
	AQQ	5,623,540	04/22/97	Morrison et al.			
	ARR	5,619,689	04/08/97	Kelly			
	ASS	5,615,109	03/25/97	Eder			
	ATT	5,615,364	03/25/97	Marks			
	AUU	5,613,113	03/18/97	Goldring			
	AVV	5,608,865	03/04/97	Midgely et al.			
	AWW	5,583,793	12/10/96	Gray et al.			
	AXX	5,581,754	12/03/96	Terry et al.			
	AYY	5,581,753	12/03/96	Terry et al.			
	AZZ	5,568,402	10/22/96	Gray et al.			
	AAAA	5,560,005	09/24/96	Hoover et al.			
	ABBB	5,557,518	09/17/96	Rosen			

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(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	5,530,939	06/25/96	Mansfield, Jr. et al.			
	ADDD	5,530,853	06/25/96	Schell et al.			
	AEEE	5,519,606	05/21/96	Fried-Nielsen et al.			
	AFFF	5,511,188	04/23/96	Pascucci et al.			
	AGGG	5,475,833	12/12/95	Dauerer et al.			
	AHHH	5,463,735	10/31/95	Pascucci et al.			
	AIHH	5,455,945	10/03/95	VanderDrift			
	AJJJ	5,444,851	08/22/95	Woest			
	AKKK	5,434,994	07/18/95	Shaheen et al.			
	ALLL	5,421,012	05/30/95	Khoyi et al.			
	AMMM	5,412,801	05/02/95	De Remer et al.			
	ANNN	5,396,612	03/07/95	Huh et al.			
	AOOO	5,375,234	12/20/94	Davidson et al.			
	APPP	5,355,476	10/11/94	Fukumura			
	AQQQ	5,339,434	08/16/94	Rusis			
	ARRR	5,339,392	08/16/94	Risberg et al.			
	ASSS	5,333,316	07/26/94	Champagne et al.			
	ATTT	5,333,265	07/26/94	Orimo et al.			
	AUUU	5,327,555	07/05/94	Andersen			
	AVVV	5,323,314	06/21/94	Baber et al.			
	AWWW	5,301,313	04/05/94	Terada et al.			
	AXXX	5,293,627	03/08/94	Kato et al.			
	AYYY	5,283,887	02/01/94	Zachery			
	AZZZ	5,278,982	01/11/94	Daniels et al.			
	AAAAA	5,276,876	01/04/94	Coleman et al.			
	ABBBB	5,272,628	12/21/93	Koss			
	ACCCC	5,261,045	11/09/93	Scully et al.			

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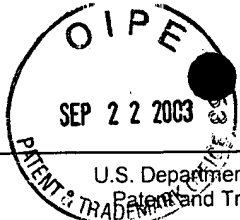


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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ADDDD	5,251,291	10/05/93	Malcolm			
	AEEEE	5,251,151	10/05/93	Demjanenko et al.			
	AFFFF	5,237,678	08/17/93	Kuechler et al.			
	AGGGG	5,228,116	07/13/93	Harris et al.			
	AHHHH	5,220,540	06/15/93	Nishida et al.			
	AIIII	5,210,868	05/11/93	Shimada et al.			
	AJJJJ	5,201,010	04/06/93	Deaton et al.			
	AKKKK	5,197,000	03/23/93	Vincent			
	ALLLL	5,187,787	02/16/93	Skeen et al.			
	AMMMM	5,155,850	10/13/92	Janis et al.			
	ANNNN	5,142,619	08/25/92	Webster III			
	AOOOO	5,136,707	08/04/92	Block et al.			
	APPPP	5,134,564	07/28/92	Dunn et al.			
	AQQQQ	5,124,912	06/23/92	Hotaling et al.			
	ARRRR	4,980,844	12/25/90	Demjanenko et al.			
	ASSSS	4,956,809	09/11/90	George et al.			
	ATTTT	4,939,689	07/03/90	Davis et al.			
	AUUUU	4,875,159	10/17/89	Cary et al.			
	AVVVV	4,866,611	09/12/89	Cree et al.			
	AWWWW	4,831,552	05/16/89	Scully et al.			
	AXXXX	4,827,423	05/02/89	Beasley et al.			
	AYYYY	4,819,191	04/04/89	Scully et al.			
	AZZZZ	4,819,156	04/04/89	DeLorme et al.			
	AAAAAA	4,817,018	03/28/89	Cree et al.			
	ABBBBB	4,807,182	02/21/89	Queen			
	ACCCCC	4,807,155	02/21/89	Cree et al.			
	ADDDDD	4,807,154	02/21/89	Scully et al.			

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	Applicant <b>Chris Halim</b>		
	Filing Date <b>October 15, 2001</b>	Group Art Unit <b>2175</b>	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AEEEEEE	4,432,057	02/14/84	Daniell et al.			
	AFFFFF	4,162,610	07/31/79	Levine			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examine r Initial	Desig. ID	Document
	AGGGGG	Adly, "HARP: A Hierarchical Asynchronous Replication Protocol for Massively Replicated Systems," Computer Laboratory, Cambridge University, United Kingdom (undated)
	AHHHHH	Adly et al., "A Hierarchical Asynchronous Replication Protocol for Large Scale Systems," Computer Laboratory, Cambridge University, United Kingdom, Computer Science Department, Alexandria University, Egypt (undated)
	AIIIII	Alexander, "Designed, sold, delivered, serviced," Computerworld Client/Server Journal, pp. 43 (10/01/95)
	AJJJJJ	Alfieri, "The Best of WordPerfect Version 5.0," Hayden Books, pp. 153-165, 429-435 (1988)
	AKKKKK	"All I need is a miracle; computer-aided educational packages; Small Wonders," Coastal Associates Publishing L.P. (03/1992)
	ALLLLL	Alonso et al., "Database System Issues in Nomadic Computing," Matsushita Information Technology Laboratory, New Jersey (undated)
	AMMMMM	"Automatically Synchronized Objects," Research Disclosure #29261, p. 614 (Aug. 1988)
	ANNNNN	Badrinath et al., "Impact of Mobility on Distributed Computations," Operating Systems Review (April 1, 1993)
	AOOOOO	Barbara et al., "Sleeper and Workaholics: Caching Strategies in Mobile Environments (Extended Version)" (08/29/1994)
	APPPPP	Bishop et al., "The Big Picture (Accessing information on remote data management system)", UNIX Review, v. 7, n. 8, p. 38(7), Aug. 1989
	AQQQQQ	Bowen, M. et al., "Achieving Throughput and Functionality in a Common Architecture: The Datacycle Experiment, <i>IEEE</i> , pp. 178, 1991.
	ARRRRR	Brandel, "New offerings fuel revival of PIM," Computerworld, p. 39 (09/12/94)
	ASSSSS	Brodersen, "InfoPad-An Experiment in System Level Design and Integration," (03/01/97)
	ATTTTT	Chapura, Inc., 3 Compare, <a href="http://www.chapura.com/3compare.html">http://www.chapura.com/3compare.html</a> (1997), pages 1-2
	AUUUUU	Chapura, Inc., PilotMirror Features Page, <a href="http://www.chapura.com/features.html">http://www.chapura.com/features.html</a> (1997), pages 1-4
	AVVVVV	Cobb et al., "Paradox 3.5 Handbook 3rd Edition," Bantam, pp. 803-816 (1991)
	WVWWWW	Demers et al., "The Bayou Architecture: Support for Data Sharing Among Mobile Users," Computer Science Laboratory, Xerox Palo Alto Research Center, California (undated)
	AXXXXX	DeVoe et al., "SOFTWARE: Day-Timer Organizer 2.0 based on format of tape-based PDA," InfoWorld, Vol. 17 (08/21/95)

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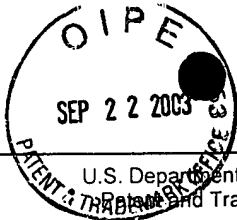
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AYYYYYY	FRx Extends Reporting Power of Platinum Series: (IBM Desktop Software's Line of Accounting Software), Doug Dayton, PC Week, v. 8, n. 5, p. 29(2) (Feb. 4, 1991)
	AZZZZZ	Froese, "File System Support for Weakly Connected Operation," pp. 229-238 (undated)
	AAAAAAA	Greenberg et al., "Real Time Groupware as a Distributed System: Concurrency Control and its Effect on the Interface," Procs. Of the ACM CSCW Conf. On Computer Supported Cooperative Work, Oct. 22-26, North Carolina, ACM Press (01/01/94)
	ABBBBBB	Guy, "Ficus: A Very Large Scale Reliable Distributed File System," Technical Report CSD-910018, Computer Science Dept. UCLA (Technical Report) (06/03/91)
	ACCCCCC	Guy et al., "Implementation of the Ficus Replicated File System," appeared in Procs. Of the Summer USENIX Conf., Anaheim, CA, pp. 63-71 (06/01/90)
	ADDDDDD	Haber, "Renegade PIMS," Computerworld, p. 109 (12/12/94)
	AEEEEEE	Hammer et al., "An Approach to Resolving Semantic Heterogeneity in a Federation of Autonomous, Heterogeneous Database Systems," Computer Science Department, University of Southern California (undated)
	AFFFFFFF	Hammer et al., "Object Discovery and Unification in Federated Database Systems," University of Southern California (undated)
	AGGGGGG	HP and IntelliLink connect HP 95LX with HP NewWave; IntelliLink for the HP NewWave; product announcement," HP Professional (08/1991)
	AHHHHHH	"HP announces expanded memory version of palmtop PC, introduces 1-Megabyte HP 95LX and 1-Megabyte memory cards," Business Wire, Inc. (03/04/92)
	AIIIIII	Huston et al., "Disconnected Operation of AFS," CITI Technical Report 93-3, Center for Information Technology Integration, University of Michigan (06/18/93)
	AJJJJJJ	IBM Dictionary of Computing, Tenth Edition, 1993, pp. 268, 269, 31_
	AKKKKKK	IBM Dictionary of Computing, Tenth Edition, 1993, pp. 165, 268, 349, 370, 417
	ALLLLLL	IEEE Standard Dictionary of Electrical and Electronics Terms, Fourth Edition, 1988, p. 372, 368, 509, 563
	MMMMMMM	Imielinski, "Mobile Computing - DataMan Project Perspective," Rutgers University (undated)
	ANNNNNN	Informix Guide to SQL Tutorial Version 7.1, December 1994
	AOOOOOO	IntelliLink Brochure (1990)
	APPPPPP	"IntelliLink 2.2: the software connection from desktop to palmtop; Software Review; IntelliLink 2.2; Evaluation," PC Magazine (04/28/92)
	AQQQQQQ	"IntelliLink transfers palmtop, PC data; communications software from IntelliLink Inc; brief article; Product Announcement," PC Week (11/18/91)
	ARRRRRR	Jacobs et al., "A Generalized Query-by-Example Data Manipulation Language Based on Database Logic," IEEE Transactions on Software Engineering, Vol. SE-9, No. 1 (01/1983)
	ASSSSSS	Jenkins, "Users struggle with E-mail Woes," Computerworld, p. 97 (10/24/94)
	ATTTTTT	Johnson et al., "Hierarchical Matrix Timestamps for Scalable Update Propagation," submitted to the 10 <sup>th</sup> Int. Workshop on Distributed Algorithms (06/25/96)

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	AUUUUUU	Joshi et al., "A Survey of Mobile Computing Technologies and Applications," (10/29/95)
	AVVVVVV	Kistler et al., "Disconnected Operation in the Coda File System," School of Computer Science, Carnegie Melon University, Pennsylvania (undated)
	WWWWWW	Krill, "NETWORKING: Tech Update," InfoWorld, vol. 18 (02/12/96)
	AXXXXXX	Kumar et al., "Log-Based Directory Resolution in the Coda File System," School of Computer Science, Carnegie Melon University, Pennsylvania (undated)
	AYYYYYY	Larson et al., "A Theory of Attribute Equivalence in Databases with Application to Schema Integration," IEEE Transactions on Software Engineering, Vol. 15, No. 4, April 1989
	AZZZZZZ	"Logical Connectivity: Applications, Requirements, Architecture, and Research Agenda," Stuart Madnick & Y. Richard Wang, MIT, Systems Sciences, 1991 Hawaii Int'l, vol. 1, IEEE (June 1991)
	AAAAAAA	Lomet, D., Using timestamping to optimize two phase commit; Parallel and Distributed Information Systems, 1993, Proceeding of the Second International Conference, 20-22 Jan 1993: Pages 48-55
	BBBBBBB	Mannino et al., "Matching Techniques in Global Schema Design," IEEE 1984
	CCCCCCC	Marshall, "Product Reviews: Windows contact managers," InfoWorld, Vol. 18 (03/25/96)
	DDDDDDD	McGoveran, "Distributed not yet delivered," Computerworld, p. 112 (06/06/94)
	AEEEEEEE	Meckler Corporation, "Palmtop-to-desktop linkage software," Database Searcher (06/1992)
	AFFFFFFF	Microsoft Press Computer Dictionary, Second Edition, 1994, p. 164
	GGGGGGG	Microsoft Press Computer Dictionary, Second Edition, 1994, pp. 105, 217, 227, 228
	HHHHHHH	Microsoft Press Computer Dictionary, Third Edition, 1997, pp. 194, 228, 234, 449
	AIIIIII	Milliken, "Resource Coordination Objects: A State Distribution Mechanism," (DRAFT) (12/10/93)
	AJJJJJJ	Nash, "Replication falls short," Computer world, p. 65 (11/21/94)
	KKKKKKK	Noble et al., "A Research Status Report for Adaptation for Mobile Data Access," School of Computer Science, Carnegie Melon University (undated)
	ALLLLLLL	"Open Network Computing--Technical Overview," Sun Technical Report, Microsystems, Inc., pp. 1-32 (1987)
	MMMMMMM	Oracle 7™ Server SQL Manual Release 7.3, February 1996
	NNNNNNN	Oracle 7 Distributed Database Technology and Symmetric Replication, Oracle White Paper, April 1995
	OOOOOOO	Oracle7 Server Distributed Systems, Volume II: Replicated Data, Release 7.3 (February 1996)
	APPPPPP	"Organizer Link II Operation Manual, Sharp Electronics Corporation, (no date)
	QQQQQQQ	"PackRat PIM gets older and wiser with Release 4.0; PIM update sports enhanced interface, greater ease of use," InfoWorld (12/23/91)

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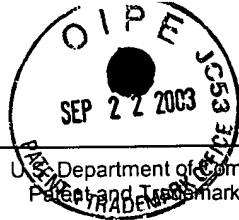
**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	/RRRRRRR	"Palmtop PCs: power by the ounce; Hardware Review; overview of six evaluations of palm-top computers; includes related articles on Editor's Choices, suitability-to-task ratings; impressions by individual users; evaluation," PC Magazine (07/1991)
	ASSSSSSS	"Pen-based PCs ready for prime time; includes related article on comparison of operating systems, list of vendors of pen-based products," PC-Computing (11/1991)
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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05110-014002	Application No. 09/977,769
		Applicant Chris Halim	
	Filing Date October 15, 2001	Group Art Unit 2175	

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